

İndirilme Tarihi

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İKT221 - ENVIRONMENTAL ECONOMICS - İktisadi ve İdari Bilimler Fakültesi - İktisat Bölümü

General Info

Objectives of the Course

The purpose of this course is to examine the economic dimensions of environmental issues, to introduce policy instruments for environmental management, and to explain the relationship between the economy and sustainable development.

Course Contents

• Basic concepts of environmental problems • Market failures and externalities • Public goods and environmental issues • Environmental policy instruments: taxes, subsidies, regulations • Emissions trading and carbon markets • Economic analysis of natural resources • Energy–environment relationship • The concept of sustainable development • Climate change and the economy • Environmental policies in Turkey

Recommended or Required Reading

• Tietenberg, T. & Lewis, L. (2020). Environmental and Natural Resource Economics
 • Reports from TURKSTAT, OECD, World Bank, and the Ministry of Environment (Turkey)

Planned Learning Activities and Teaching Methods

Lectures, class discussions, case studies, assignments, and student presentations.

Recommended Optional Programme Components

“There are no other recommended considerations for the course.”

Instructor's Assistants

There is none.

Presentation Of Course

face to face

Dersi Veren Öğretim Elemanları

Assoc. Prof. Dr. Serap Çoban Dr. Öğr. Üyesi Selin Zengin Taşdemir

Program Outcomes

1. To explain the economic causes and consequences of environmental problems.
2. To interpret the concepts of market failures and externalities in the environmental context.
3. To define and compare environmental policy instruments.
4. To analyze emissions trading and carbon markets.
5. To discuss the concept of sustainable development and the economic impacts of climate change.
6. To compare Türkiye's environmental policies with international examples.

Order	PreparationInfo	Laboratory	TeachingMethods	Theoretical	Practise
1	Review syllabus		Lecture, class discussion	Introduction (pp. 27–38)	
2	Basic economics knowledge		Lecture, case study	The Economy and the Environment (pp. 41–46)	
3	Review microeconomic		Lecture, numerical example	Property Rights, Externalities, and Environmental Problems (pp. 47-71)	
4	Assigned readings	Lecture, exercises		Environmental Policies I (pp. 72–96)	
5	Article review		Lecture, graph analysis	Environmental Policies II (pp. 72–96)	
6	Calculation practice		Lecture, comparative analysis	Tradeable Permits (s. 377–384)	
7	Policy examples		Lecture, Discussion	The Economics of Natural Resources (pp. 148–171)	
8				Midterm exam	
9	Review previous topics		Lecture, case study	Energy and Environment (pp. 171–198)	
10	System examples		Data analysis practice	The Economics of Climate Change (pp. 425–444)	
11	Reading materials		Lecture, class discussion	Sustainable Development (pp. 131–145)	
12	Current reports		Lecture, case study	The duality of environment and development (pp. 534–555)	
13	Topic revision		Lecture, group discussion	International Environmental Issues (pp. 427–444)	
14	Regulation review		Data analysis practice	Türkiye's Environmental Policies	
15	Final preparation		Lecture, student presentations	Türkiye's Environmental Policies	

Workload

Activities	Number	PLEASE SELECT TWO DISTINCT LANGUAGES
Ders Sonrası Bireysel Çalışma	15	2,00
Uygulama / Pratik Sonrası Bireysel Çalışma	2	3,00
Ödev	10	2,00
Vize	1	10,00
Final	1	10,00
Derse Katılım	14	3,00

Assesments

Activities	Weight (%)
Ara Sınav	40,00
Final	60,00

İktisat Bölümü / İktisat X Learning Outcome Relation

	P.O. 1	P.O. 2	P.O. 3	P.O. 4	P.O. 5	P.O. 6	P.O. 7	P.O. 8	P.O. 9	P.O. 10	P.O. 11	P.O. 12	P.O. 13	P.O. 14	P.O. 15	P.O. 16	P.O. 17	P.O. 18	P.O. 19	P.O. 20	P.O. 21	P.O. 22
L.O. 1	1																	1				
L.O. 2		1	2															2				
L.O. 3				1		1	2											3				
L.O. 4																		4				

P.O. 1	P.O. 2	P.O. 3	P.O. 4	P.O. 5	P.O. 6	P.O. 7	P.O. 8	P.O. 9	P.O. 10	P.O. 11	P.O. 12	P.O. 13	P.O. 14	P.O. 15	P.O. 16	P.O. 17	P.O. 18	P.O. 19	P.O. 20	P.O. 21	P.O. 22
L.O. 5																	5				
L.O. 6				5													5				

Table :

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- P.O. 1 :** Have information about basic economic topics and indicators.
- P.O. 2 :** Have basic information about treatment rules between individuals, markets and countries.
- P.O. 3 :** Have information about the reasons and results of transition that take place in economics.
- P.O. 4 :** Have theoretical and empirical information to analyze how to authorities, consumers and firms effect each other and how to make decision.
- P.O. 5 :** Have upper explanation ability on the effects of economy policies on individuals and firms under the principles which are dominating economy.
- P.O. 6 :** Have ability on examining and analyzing the effects of economic policies.
- P.O. 7 :** Have ability on considering the basic items of Money, Banking and Financial System and the treatment process of these items.
- P.O. 8 :** Have ability on working with quantitative data about economics and using the tools about statistically data analysis.
- P.O. 9 :** Have ability on commenting current economic issues considering economic theory in the view of sociology.
- P.O. 10 :** Have ability on modeling the economic theories mathematically.
- P.O. 11 :** Have ability on defining economic variables and comment on the relationships between these variables.
- P.O. 12 :** Know the stages that need to apply in a research and do research.
- P.O. 13 :** Tell his/her information or ability by using written, spoken or visual tools.
- P.O. 14 :** Have ability to respect different religions, life styles and question the information in the view of scholar idea.
- P.O. 15 :** Can work, take initiative and lead within the teams which consisted different disciplines.
- P.O. 16 :** Report preparation that examine the economy in terms of sectoral and macroeconomic.
- P.O. 17 :** Know the importance of sustainable growth and development with environmental conscious.
- P.O. 18 :** Can refresh information and ability, global economic developments demand, recognizing his/her professional ethic and responsibilities.
- P.O. 19 :** Can find solutions about the juridical problems which can be met in business life.
- P.O. 20 :** Adopt basic and related software and information and communication technologies on an advanced level.
- P.O. 21 :** Have the ability to work with disciplinary and interdisciplinary teams; to be open to change and innovation, to be entrepreneur, to gain life-long learning; to have leadership qualities and to make analytical communication with managers and specialists in other fields.
- P.O. 22 :** Establish effective communication, oral and written; at least one foreign language in general use at the level of the European language portfolio B1.
- L.O. 1 :** To explain the economic causes and consequences of environmental problems.
- L.O. 2 :** To interpret the concepts of market failures and externalities in the environmental context.
- L.O. 3 :** To define and compare environmental policy instruments.
- L.O. 4 :** To analyze emissions trading and carbon markets.
- L.O. 5 :** To discuss the concept of sustainable development and the economic impacts of climate change.
- L.O. 6 :** To compare Türkiye's environmental policies with international examples.